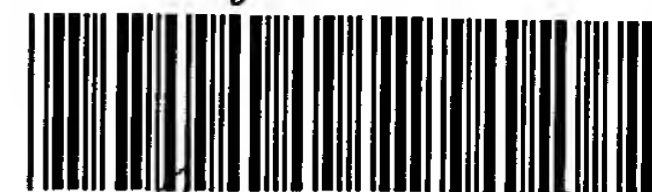


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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/697,863A

DATE: 08/21/2002

TIME: 15:13:47

Input Set : A:\2676-4555 seq listing v2.ST25.txt

Output Set: N:\CRF4\08212002\I697863A.raw

3 <110> APPLICANT: Vlaams Interuniversitair Instituut Voor Biotechnologie VZW  
 5 <120> TITLE OF INVENTION: CD-40 INTERACTING AND TRAF-INTERACTING PROTEINS  
 7 <130> FILE REFERENCE: 2676-4555US  
 9 <140> CURRENT APPLICATION NUMBER: US 09/697,863A  
 10 <141> CURRENT FILING DATE: 2000-10-27  
 12 <150> PRIOR APPLICATION NUMBER: PCT/EP99/03025  
 13 <151> PRIOR FILING DATE: 1999-04-28  
 15 <150> PRIOR APPLICATION NUMBER: EPO 98201392.2  
 16 <151> PRIOR FILING DATE: 1998-04-29  
 18 <160> NUMBER OF SEQ ID NOS: 6  
 20 <170> SOFTWARE: PatentIn version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 1920  
 24 <212> TYPE: DNA  
 25 <213> ORGANISM: Homo sapiens  
 27 <220> FEATURE:  
 28 <221> NAME/KEY: misc\_feature  
 29 <222> LOCATION: (1627)..(1627)  
 30 <223> OTHER INFORMATION: N stands for any nucleotide.  
 33 <220> FEATURE:  
 34 <221> NAME/KEY: CDS  
 35 <222> LOCATION: (20)..(1108)  
 36 <223> OTHER INFORMATION:  
 38 <220> FEATURE:  
 39 <221> NAME/KEY: misc\_feature  
 40 <222> LOCATION: (1849)..(1849)  
 41 <223> OTHER INFORMATION: N stands for any nucleotide.  
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 46 Met Glu Leu Gly Ser Cys Leu Glu Gly Gly Arg  
 47 1 5 10  
 49 gag gcg gcg gag gaa gag ggc gag cct gag gtg aaa aag cgg cga ctt 100  
 50 Glu Ala Ala Glu Glu Gly Glu Pro Glu Val Lys Lys Arg Arg Leu  
 51 15 20 25  
 53 ctg tgt gtg gag ttt gcc tcg gtc gca agc tgc gat gcc gca gtg gct 148  
 54 Leu Cys Val Glu Phe Ala Ser Val Ala Ser Cys Asp Ala Ala Val Ala  
 55 30 35 40  
 57 cag tgc ttc ctg gcc gag aac gac tgg gag atg gaa agg gct ctg aac 196  
 58 Gln Cys Phe Leu Ala Glu Asn Asp Trp Glu Met Glu Arg Ala Leu Asn  
 59 45 50 55  
 61 tcc tac ttc gag cct ccg gtg gag gag agc gcc ttg gaa cgc cga cct 244  
 62 Ser Tyr Phe Glu Pro Pro Val Glu Glu Ser Ala Leu Glu Arg Arg Pro  
 63 60 65 70 75

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Input Set : A:\2676-4555 seq listing v2.ST25.txt

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65	gaa acc atc tct gag ccc aag acc tat gtt gac cta acc aat gaa gaa	292
66	Glu Thr Ile Ser Glu Pro Lys Thr Tyr Val Asp Leu Thr Asn Glu Glu	
67	80 85 90	
69	aca act gat tcc acc act tct aaa atc agc cca tct gaa gat act cag	340
70	Thr Thr Asp Ser Thr Thr Ser Lys Ile Ser Pro Ser Glu Asp Thr Gln	
71	95 100 105	
73	caa gaa aat ggc agc atg ttc tct ctc att acc tgg aat att gat gga	388
74	Gln Glu Asn Gly Ser Met Phe Ser Leu Ile Thr Trp Asn Ile Asp Gly	
75	110 115 120	
77	tta gat cta aac aat ctg tca gag agg gct cga ggg gtg tgt tcc tac	436
78	Leu Asp Leu Asn Asn Leu Ser Glu Arg Ala Arg Gly Val Cys Ser Tyr	
79	125 130 135	
81	tta gct ttg tac agc cca gat gtg ata ttt cta cag gaa gtt att ccc	484
82	Leu Ala Leu Tyr Ser Pro Asp Val Ile Phe Leu Gln Glu Val Ile Pro	
83	140 145 150 155	
85	cca tat tat agc tac cta aag aag aga tca agt aat tat gag att att	532
86	Pro Tyr Tyr Ser Tyr Leu Lys Lys Arg Ser Ser Asn Tyr Glu Ile Ile	
87	160 165 170	
89	aca ggt cat gaa gaa gga tat ttc aca gct ata atg ttg aag aaa tca	580
90	Thr Gly His Glu Glu Gly Tyr Phe Thr Ala Ile Met Leu Lys Lys Ser	
91	175 180 185	
93	aga gtg aaa tta aaa agc caa gag att att cct ttt cca agt acc aaa	628
94	Arg Val Lys Leu Lys Ser Gln Glu Ile Ile Pro Phe Pro Ser Thr Lys	
95	190 195 200	
97	atg atg aga aac ctt tta tgt gtg cat gtg aat gtg tca gga aat gag	676
98	Met Met Arg Asn Leu Leu Cys Val His Val Asn Val Ser Gly Asn Glu	
99	205 210 215	
101	ctt tgc ctt atg aca tcc cat ttg gag agc acc aga ggg cat gct gcg	724
102	Leu Cys Leu Met Thr Ser His Leu Glu Ser Thr Arg Gly His Ala Ala	
103	220 225 230 235	
105	gaa cga atg aat cag tta aaa atg gtt tta aag aaa atg caa gag gct	772
106	Glu Arg Met Asn Gln Leu Lys Met Val Leu Lys Lys Met Gln Glu Ala	
107	240 245 250	
109	cca gag tca gct aca gtt ata ttt gca gga gat aca aat cta agg gat	820
110	Pro Glu Ser Ala Thr Val Ile Phe Ala Gly Asp Thr Asn Leu Arg Asp	
111	255 260 265	
113	cga gag gtt acc aga tgt ggt ggt tta ccc aac aac att gtg gat gtc	868
114	Arg Glu Val Thr Arg Cys Gly Gly Leu Pro Asn Asn Ile Val Asp Val	
115	270 275 280	
117	tgg gag ttt ttg ggc aaa cct aaa cat tgc cag tat aca tgg gat aca	916
118	Trp Glu Phe Leu Gly Lys Pro Lys His Cys Gln Tyr Thr Trp Asp Thr	
119	285 290 295	
121	caa atg aac tct aat ctt gga ata act gct gct tgt aaa ctt cgt ttt	964
122	Gln Met Asn Ser Asn Leu Gly Ile Thr Ala Ala Cys Lys Leu Arg Phe	
123	300 305 310 315	
125	gat cga ata ttt ttc aga gca gca gca gaa gag gga cac att att ccc	1012
126	Asp Arg Ile Phe Phe Arg Ala Ala Ala Glu Glu Gly His Ile Ile Pro	
127	320 325 330	
129	cga agt ttg gac ctt ctt gga tta gaa aaa ctg gac tgt ggt aga ttt	1060

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Input Set : A:\2676-4555 seq listing v2.ST25.txt

Output Set: N:\CRF4\08212002\I697863A.raw

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130 Arg Ser Leu Asp Leu Leu Gly Leu Glu Lys Leu Asp Cys Gly Arg Phe
131          335          340          345
133 cct agt gat cac tgg ggt ctt ctg tgc aac tta gat ata ata ttg taa      1108
134 Pro Ser Asp His Trp Gly Leu Leu Cys Asn Leu Asp Ile Ile Leu
135          350          355          360
137 aatgcttttc aagtgtgggt tttgccctga ttgttgcaaa tacaatttcc accttctgga      1168
139 aaggtagggt tgctgtggag gaaataatgt actagatcat tgtcacagaa aaaccaacta      1228
141 tgatttatgg ttgtgttttc agaattcaac attaaagatt aatgtttatt taaacgaaca      1288
143 cattcctgca ttcaggatgt gaggccattt aataaaaagg gcacaaagcc tgtcagagtt      1348
145 ttcaacggtg cttacagctg ccagctggat tccaaacagg taccctattg tctctgagct      1408
147 aatgtttata tttttccatt caggcaccga aatagttaat atttaaaata agtcttcaaa      1468
149 agaaaacata agagattatt gagttcttgg gactggatcc tttatttcat aagttcagat      1528
151 catcttaaat gaaaatgccca tgattatctg cagttaagta gatgacagct attctacatc      1588
W--> 153 agacttgatt tttgtcagct aattacataa ttggtaagnt ataattgaaa ccttatggct      1648
155 taaaattcct taactccttt ttgattcatg tttgtagtca tgttgtcaac agaggcaaag      1708
157 ttaagcttga tgatggttaa aatcggtttg atagcaccat gggacatttt ttttaacaaaa      1768
159 ataaatgcat gaagagacat agccttttag ttttgctaata tgtgaaatgg aaatgcttta      1828
W--> 161 caggaagtaa atgcaaatta nttttaagtg tgctttaaag aaaaatattt tccccacagg      1888
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166 <210> SEQ ID NO: 2
167 <211> LENGTH: 362
168 <212> TYPE: PRT
169 <213> ORGANISM: Homo sapiens
171 <400> SEQUENCE: 2
173 Met Glu Leu Gly Ser Cys Leu Glu Gly Gly Arg Glu Ala Ala Glu Glu
174 1          5          10          15
177 Glu Gly Glu Pro Glu Val Lys Lys Arg Arg Leu Leu Cys Val Glu Phe
178          20          25          30
181 Ala Ser Val Ala Ser Cys Asp Ala Ala Val Ala Gln Cys Phe Leu Ala
182          35          40          45
185 Glu Asn Asp Trp Glu Met Glu Arg Ala Leu Asn Ser Tyr Phe Glu Pro
186          50          55          60
189 Pro Val Glu Glu Ser Ala Leu Glu Arg Arg Pro Glu Thr Ile Ser Glu
190 65          70          75          80
193 Pro Lys Thr Tyr Val Asp Leu Thr Asn Glu Glu Thr Thr Asp Ser Thr
194          85          90          95
197 Thr Ser Lys Ile Ser Pro Ser Glu Asp Thr Gln Gln Glu Asn Gly Ser
198          100         105         110
201 Met Phe Ser Leu Ile Thr Trp Asn Ile Asp Gly Leu Asp Leu Asn Asn
202          115         120         125
205 Leu Ser Glu Arg Ala Arg Gly Val Cys Ser Tyr Leu Ala Leu Tyr Ser
206          130         135         140
209 Pro Asp Val Ile Phe Leu Gln Glu Val Ile Pro Pro Tyr Tyr Ser Tyr
210 145         150         155         160
213 Leu Lys Lys Arg Ser Ser Asn Tyr Glu Ile Ile Thr Gly His Glu Glu
214          165         170         175
217 Gly Tyr Phe Thr Ala Ile Met Leu Lys Lys Ser Arg Val Lys Leu Lys
218          180         185         190
221 Ser Gln Glu Ile Ile Pro Phe Pro Ser Thr Lys Met Met Arg Asn Leu

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## RAW SEQUENCE LISTING

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TIME: 15:13:47

Input Set : A:\2676-4555 seq listing v2.ST25.txt

Output Set: N:\CRF4\08212002\I697863A.raw

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222      195      200      205
225 Leu Cys Val His Val Asn Val Ser Gly Asn Glu Leu Cys Leu Met Thr
226      210      215      220
229 Ser His Leu Glu Ser Thr Arg Gly His Ala Ala Glu Arg Met Asn Gln
230 225      230      235      240
233 Leu Lys Met Val Leu Lys Lys Met Gln Glu Ala Pro Glu Ser Ala Thr
234      245      250      255
237 Val Ile Phe Ala Gly Asp Thr Asn Leu Arg Asp Arg Glu Val Thr Arg
238      260      265      270
241 Cys Gly Gly Leu Pro Asn Asn Ile Val Asp Val Trp Glu Phe Leu Gly
242      275      280      285
245 Lys Pro Lys His Cys Gln Tyr Thr Trp Asp Thr Gln Met Asn Ser Asn
246      290      295      300
249 Leu Gly Ile Thr Ala Ala Cys Lys Leu Arg Phe Asp Arg Ile Phe Phe
250 305      310      315      320
253 Arg Ala Ala Ala Glu Glu Gly His Ile Ile Pro Arg Ser Leu Asp Leu
254      325      330      335
257 Leu Gly Leu Glu Lys Leu Asp Cys Gly Arg Phe Pro Ser Asp His Trp
258      340      345      350
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262      355      360
265 <210> SEQ ID NO: 3
266 <211> LENGTH: 1312
267 <212> TYPE: DNA
268 <213> ORGANISM: Mus musculus
270 <220> FEATURE:
271 <221> NAME/KEY: CDS
272 <222> LOCATION: (122)..(1234)
273 <223> OTHER INFORMATION:
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276 agctattaat gattcgaatt tatacgactc actataggga atttggccct cgaggccaag      60
278 aattcggcac gagggcggga agcagcgtga agagcgggtg ttttgagggg accctgcggc      120
280 g atg gcg tct ggc agc agt tcc gat gcg gcg gag ccc gca ggg ccg gca      169
281 Met Ala Ser Gly Ser Ser Ser Asp Ala Ala Glu Pro Ala Gly Pro Ala
282 1      5      10      15
284 ggg cgg gcg gcg tcg gcg ccc gaa gca gca cag gcg gag gag gac cgg      217
285 Gly Arg Ala Ala Ser Ala Pro Glu Ala Ala Gln Ala Glu Glu Asp Arg
286      20      25      30
288 gtg aag agg cgg cgg ctt cag tgc ctg ggc ttt gcg ttg gtg ggg gga      265
289 Val Lys Arg Arg Arg Leu Gln Cys Leu Gly Phe Ala Leu Val Gly Gly
290      35      40      45
292 tgc gac ccc acg atg gtc ccc agc gtc ctg cgg gag aac gac tgg cag      313
293 Cys Asp Pro Thr Met Val Pro Ser Val Leu Arg Glu Asn Asp Trp Gln
294      50      55      60
296 acg cag aaa gcc ctg agc gcc tac ttc gag ctg cca gag aac gac caa      361
297 Thr Gln Lys Ala Leu Ser Ala Tyr Phe Glu Leu Pro Glu Asn Asp Gln
298 65      70      75      80
300 ggg tgg ccg cgc cag cct ccc acg tcc ttc aag tcc gag gcc tat gtt      409
301 Gly Trp Pro Arg Gln Pro Pro Thr Ser Phe Lys Ser Glu Ala Tyr Val

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/697,863A

DATE: 08/21/2002

TIME: 15:13:47

Input Set : A:\2676-4555 seq listing v2.ST25.txt

Output Set: N:\CRF4\08212002\I697863A.raw

302		85		90		95		
304	gat	cta	acc	aac	gag	gat	gca	aac
305	Asp	Leu	Thr	Asn	Glu	Asp	Ala	Asn
306				100			105	
308	cca	tct	gga	act	cct	cta	gaa	gat
309	Pro	Ser	Gly	Thr	Pro	Leu	Glu	Asp
310			115				120	
312	tgg	aat	att	gat	gga	tta	gat	gga
313	Trp	Asn	Ile	Asp	Gly	Leu	Asp	Gly
314		130					135	
316	ggg	gtg	tgt	tcc	tgc	cta	gct	ttg
317	Gly	Val	Cys	Ser	Cys	Leu	Ala	Leu
318	145				150			155
320	cag	gaa	gtt	atc	ccc	cca	tac	tgt
321	Gln	Glu	Val	Ile	Pro	Pro	Tyr	Cys
322				165				170
324	agt	tac	aca	att	att	aca	ggt	aat
325	Ser	Tyr	Thr	Ile	Ile	Thr	Gly	Asn
326			180				185	
328	cta	ttg	aag	aaa	gga	aga	gtg	aaa
329	Leu	Leu	Lys	Lys	Gly	Arg	Val	Lys
330			195				200	
332	ttt	cca	aat	acc	aaa	atg	atg	aga
333	Phe	Pro	Asn	Thr	Lys	Met	Met	Arg
334		210					215	
336	ttg	ggt	gga	aat	gaa	ttt	tgc	ctt
337	Leu	Gly	Gly	Asn	Glu	Phe	Cys	Leu
338	225				230			235
340	aga	gaa	cat	tct	gcg	gaa	cga	ata
341	Arg	Glu	His	Ser	Ala	Glu	Arg	Ile
342				245				250
344	aaa	atg	caa	gag	gct	cca	gat	tca
345	Lys	Met	Gln	Glu	Ala	Pro	Asp	Ser
346			260					265
348	aca	aat	tta	aga	gat	caa	gaa	gtt
349	Thr	Asn	Leu	Arg	Asp	Gln	Glu	Val
350			275					280
352	aac	gtt	ttt	gat	gcc	tgg	gaa	ttt
353	Asn	Val	Phe	Asp	Ala	Trp	Glu	Phe
354		290					295	
356	tat	aca	tgg	gat	acg	aaa	gca	aat
357	Tyr	Thr	Trp	Asp	Thr	Lys	Ala	Asn
358	305				310			315
360	tat	aag	cat	cgt	ttt	gat	cga	ata
361	Tyr	Lys	His	Arg	Phe	Asp	Arg	Ile
362				325				330
364	ctt	att	cct	caa	agt	tta	gac	ctt
365	Leu	Ile	Pro	Gln	Ser	Leu	Asp	Leu
366			340					345

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/21/2002  
PATENT APPLICATION:    US/09/697,863A      TIME: 15:13:48

Input Set : A:\2676-4555 seq listing v2.ST25.txt  
Output Set: N:\CRF4\08212002\I697863A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1627,1849  
Seq#:5; N Pos. 1392,1530,1531  
Seq#:5; Xaa Pos. 395,441  
Seq#:6; Xaa Pos. 395,441

## VERIFICATION SUMMARY

DATE: 08/21/2002

PATENT APPLICATION: US/09/697,863A

TIME: 15:13:48

Input Set : A:\2676-4555 seq listing v2.ST25.txt

Output Set: N:\CRF4\08212002\I697863A.raw

L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1588  
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1828  
L:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1384  
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1432  
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1528  
L:624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1536  
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:384  
L:754 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:432